

**AMENDMENTS TO THE CLAIMS:**

This listing of claims will replace all prior versions, and listings, of claims in this application.

1. (Previously Presented) Data arrangement for dental-care environment, which comprises at least one dental-care-related device (U, T) and a data system (S), wherein

a data transmission communication has been arranged between the dental-care-related device (U, T) and the data system (S); and

the dental-care-related device (U, T) comprises

means for identifying a predetermined event,

means for transmitting information related to said event to the data system (S) as a response to identifying the predetermined event, and

means for storing said information in the data system (S) item-specifically.

2. (Previously Presented) Arrangement according to claim 1, wherein the predetermined event is a treatment event the target of which being a patient; and

the means for storing have been arranged to store information related to the event patient-specifically.

3. (Previously Presented) Arrangement according to claim 1, wherein the predetermined event is a treatment event, the target of which being certain tooth and/or certain tooth surface of a patient.

4. (Previously Presented) Arrangement according to claim 1, wherein the predetermined event is related to dental-care instruments (X); and

the means for storing have been arranged to store said information instrument-specifically.

5. (Currently Amended) Arrangement according to [[,]] claim 1, wherein  
the predetermined event is related to dental-care materials (Y) and/or their packages; and  
the means for storing have been arranged to store said information material-specifically.

6. (Currently Amended) Arrangement according to [[,]] claim 1, wherein the dental-care-related device (U, T) comprises means for receiving information related to a predetermined event.

7. (Previously Presented) Arrangement according to claim 1, wherein the data system (S) is configured for  
identifying an unsterilised, unsuitable for the treatment event in question or otherwise unfit instrument (X); and  
as a response to said identification, indicating before use of the instrument that it is not suitable for use.

8. (Previously Presented) Arrangement according to claim 1, wherein the dental-care-related device is a dental unit (U) and/or a sterilisation device (T) of dental-care instruments.

9. (Previously Presented) Arrangement according to claim 1, wherein the information related to the predetermined event comprises at least one of the following data: data of the type of dental-care instrument (X), identification data of the dental-care instrument (X), maintenance status data of the dental-care instrument (X), sterilisation status data of the dental-care instrument (X), point of time of sterilisation of the dental-care instrument (X), data of connecting the dental-care instrument (X) to the dental unit (U), data of taking the dental-care instrument (X) to use in connection with a treatment event, data of the point of time the dental-care instrument (X) was taken to use, data of operation parameter values of the dental-care instrument (X) during the dental treatment

event comprising data of operation time, rotation speed and/or power used, data of disconnecting the dental-care instrument (X) from the dental unit (U), data of disconnection time of the dental-care instrument (X) from the dental unit (U), data of starting and ending the sterilisation treatment of the dental-care instrument (X), data of the starting and ending times of the sterilisation treatment of the dental-care instrument (X), data of material (Y) to be used in the treatment, identification data of the package of material (Y), data of the point of time of arrival of the material package (Y) to the clinic, identification data of the manufacturing lot of the material package (Y), data of used-by date of the material package (Y), data of opening the material package (Y), data of the point of time of opening the material package (Y), data of the point of time of use of material (Y), data of the amount of material (Y) used, data of the treatment plan of the patient, data of performing a certain treatment procedure, data of the point of time of performance of a certain treatment procedure.

10. (Previously Presented) Arrangement according to claim 1, wherein the means for identifying the predetermined event comprise an electronic reader device.

11. (Previously Presented) Arrangement according to claim 10, wherein the electronic reader device is a radio frequency tag (RFT) reader.

12. (Previously Presented) Arrangement according to claim 10, wherein the electronic reader device is a barcode reader.

13. (Previously Presented) Arrangement according to claim 1, wherein the data system (S) comprising also a user interface and display means connected with it; and  
the data system (S) is configured for transmitting to the display means information stored in the data system (S) and/or messages based on said information.

14. (Previously Presented) Arrangement according to claim 1, wherein the data system is configured for transmitting to the dental-care-related device (U, T) control data relating to the treatment plan and/or instruments; and the dental-care-related device (U, T) has been arranged to be controlled according to said control data as a response to receiving control data.

15. (Previously Presented) Method for maintaining an electronic dental-care register for a dental-care environment in a data arrangement, the dental-care environment comprising at least one dental-care-related device (U, T) and a data system (S), wherein

a data transmission communication is formed between the dental-care-related device (U, T) and the data system (S);

a predetermined event is identified (2-1, 3-1, 4-2, 4-5, 4-9) in the dental-care-related device (U, T);

information related to the identified event is sent (2-2, 3-5, 4-3, 4-6, 4-10) from the dental-care-related device (U, T) to the data system (S);

said information is received (2-3, 3-6, 4-4, 4-7, 4-11) in the data system (S); and

said information is stored (2-3, 3-6, 4-4, 4-7, 4-11) in the data system (S) item-specifically.

16. (Previously Presented) Method according to claim 15, wherein the predetermined event is targeted to a patient, a patient's tooth and/or its certain surface; and the information related to the event is stored patient-specifically.

17. (Previously Presented) Method according to claim 15, wherein the predetermined event is addressed to a treatment instrument (X);  
and  
the information related to the event is stored instrument-specifically.
18. (Previously Presented) Method according to claim 15, wherein the predetermined event is addressed to dental-care material (Y) and/or material packages; and  
the information related to the event is stored material-specifically.
19. (Previously Presented) Method according to claim 15, wherein an individual instrument is identified;  
identification data is compared with the treatment plan of the patient who is the object of the treatment procedure and/or with the status data of the individual instrument in question; it is detected if instrument (X) is unsterilised or does not correspond the treatment plan; and  
the said detection is expressed (5-6) as a response to detecting an unsterilised instrument or an instrument not corresponding the treatment plan.
20. (Previously Presented) Method according to claim 15, wherein information related to the predetermined event is stored in the patient database and/or stock control database of the dental clinic data system (S).
21. (Previously Presented) Method according to claim 15, wherein taking an instrument to use is identified as a predetermined event;  
as a response to identifying taking the instrument in use, data of taking the instrument to use is transmitted and stored (5-2) in the data system instrument-specifically and patient-specifically,  
taking material in use is identified as a predetermined event;

as a response to identifying taking the material in use, data of taking the material to use is transmitted and stored (5-18) in the data system material-specifically and patient-specifically,

a performed dental procedure is identified as a predetermined event;  
and

as a response to identifying the performed dental procedure, data of the performed dental procedure is transmitted and stored (5-15, 5-20) in the data system patient-specifically.

22. (Previously Presented) Method according to claim 15, wherein instrument sterilisation data is maintained instrument-specifically in the data system;

instrument sterilisation data is checked (5-4) before taking an instrument to use;

data of patient treatment plan is maintained in the data system;  
the treatment plan data of a patient is verified before commencing treatment procedures;

material data is maintained in the data system;

material data is checked before taking material to use.

23. (Previously Presented) Dental-care-related device for performing dental-care events in a dental-care environment, wherein it comprises

means for forming a data transmission communication with a data system (S) for the dental-care environment;

means for identifying a predetermined event; and

means for transmitting information related to the identified event to the data system (S).

24. (Previously Presented) Dental-care-related device according to claim 23, wherein it is a dental unit (U).

25. (Previously Presented) Software product in a data arrangement for dental-care environment, the dental-care environment comprising at least one device (U, T) related to dental treatment and a data system (S), which software product comprises a program stored on program storage means and being readable by a computer, wherein it comprises

a first routine by which a data transmission communication between the dental-care-related device (U, T) and the data system (S) is formed;

a second routine by which a predetermined event is identified in the dental-care-related device (U, T); and

a third routine by which information related to the identified event is transmitted from the dental-care-related device (U, T) to the data system (S).

26. (Currently Amended) Software product according to claim 25, wherein said program comprises a routine for running a method ~~according to claim 15 for maintaining an electronic dental-care register for a dental-care environment in a data arrangement, the dental-care environment comprising at least one dental-care-related device (U, T) and a data system (S), wherein~~

a data transmission communication is formed between the dental-care-related device (U, T) and the data system (S);

a predetermined event is identified (2-1, 3-1, 4-2, 4-5, 4-9) in the dental-care-related device (U, T);

information related to the identified event is sent (2-2, 3-5, 4-3, 4-6, 4-10) from the dental-care-related device (U, T) to the data system (S);

said information is received (2-3, 3-6, 4-4, 4-7, 4-11) in the data system (S); and

said information is stored (2-3, 3-6, 4-4, 4-7, 4-11) in the data system (S) item-specifically.

27. (Previously Presented) Software product in a data arrangement for dental-care environment, the dental-care environment comprising at least one device (U, T) related to dental treatment and a data system (S), which software product comprises a program stored on program storage means and being readable by a computer, wherein it comprises

a first routine by which information related to a predetermined event is received in the data system from the dental-care-related device (U, T); and

a second routine by which said information is stored in the data system (S) so that it may be linked to the object of the event.

28. (Currently Amended) Software product according to claim 27, wherein said program comprises a routine for running a method ~~according to claim 15~~ for maintaining an electronic dental-care register for a dental-care environment in a data arrangement, the dental-care environment comprising at least one dental-care-related device (U, T) and a data system (S), wherein

a data transmission communication is formed between the dental-care-related device (U, T) and the data system (S);

a predetermined event is identified (2-1, 3-1, 4-2, 4-5, 4-9) in the dental-care-related device (U, T);

information related to the identified event is sent (2-2, 3-5, 4-3, 4-6, 4-10) from the dental-care-related device (U, T) to the data system (S);

said information is received (2-3, 3-6, 4-4, 4-7, 4-11) in the data system (S); and

said information is stored (2-3, 3-6, 4-4, 4-7, 4-11) in the data system (S) item-specifically.